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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.: 10/517,240
Applicant: Morand *et al.*
Filed: October 3, 2005
TC/A.AU.: 1626
Examiner: Rei Tsang Shiao

Confirmation No.: 3978

Docket No.: 11982.105002 BDW002
Customer No.: 20786
Title: Naphthalene derivatives which inhibit the cytokine or biological activity of microphage migration inhibitory factor (mif)

Commissioner for Patents
P. O. Box 1450
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Respectfully submitted,

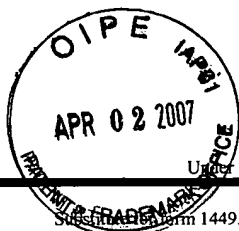
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				Attorney Docket Number	11982.105002 BDW002

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U.S. PATENT DOCUMENTS						
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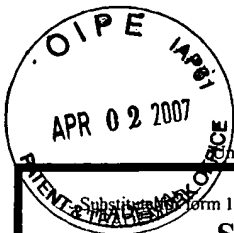
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	AB	AKPUAKA, M.U., et al., "Methoxycarbonyl shifts in Diels-Alder adducts of methoxycarbonyl-1,4-benzoquinones," <i>J. Chem. Soc., Chem. Commun.</i> , 1982(12):686-688 (1982).						
	AC	BACHER, M., et al., "An essential regulatory role for macrophage migration inhibitory factor in T-cell activation," <i>Proc. Natl. Acad. Sci. U.S.A.</i> , 93(15):7849-7854 (July 23, 1996).						
	AD	BERNHAGEN, J., et al., "MIF is a pituitary-derived cytokine that potentiates lethal endotoxaemia," <i>Nature</i> , 365(6448):756-759 (October 21, 1993).						
	AE	BERNHAGEN, J., et al., "An essential role for macrophage migration inhibitory factor in the tuberculin delayed-type hypersensitivity reaction," <i>J. Exp. Med.</i> , 183(1):277-282 (January 1, 1996).						
	AF	BOZZA, M., et al., "Targeted disruption of Migration Inhibitory Factor gene reveals its critical role in sepsis," <i>J. Exp. Med.</i> , 189(2):341-346 (January 18, 1999).						
	AG	BUCALA, R., "MIF rediscovered: cytokine, pituitary hormone, and glucocorticoid-induced regulator of the immune response." <i>FASEB. J.</i> , 10(14):1607-1613 (December 1996).						
	AH	CABRI, W., et al., "Palladium-catalyzed reduction of aryl sulfonates. Reduction versus hydrolysis and selectivity control," <i>J. Org. Chem.</i> , 55:350-353 (1990).						
	AI	CALANDRA, T., et al., "MIF as a glucocorticoid-induced modulator of cytokine production," <i>Nature</i> , 377(6544):68-71 (September 7, 1995).						
	AJ	CHAWLA, H.M., and MITTAL, R.S., "Oxidative nitration by silica gel-supported cerium(IV) ammonium nitrate," <i>Synthesis</i> (Stuttgart, Georg Thieme Verlag), 1:70-72 (1985).						
	AK	CONNOR, D., "Novel benzothiophene-, benzofuran-, and naphthalenecarboxamidotetrazoles as potential antiallergy agents," <i>J. Med. Chem.</i> , 35(5):958-965 (March 6, 1992).						
	AL	CORY, R. P., et al., "Synthesis and fluorescent properties of some N-methyl-2-anilino-6-naphthalenesulfonyl derivatives," <i>J. Am. Chem. Soc.</i> , 90(6):1643-1647 (1968).						

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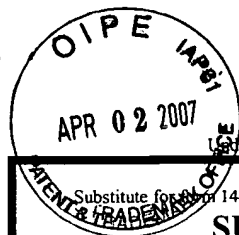
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	BA	DAVID, J.R., "Delayed hypersensitivity in vitro: its mediation by cell-free substances formed by lymphoid cell-antigen interaction," <i>Proc. Natl. Acad. Sci. U.S.A.</i> , 56(1):72-77 (July 1966).	
	BB	DONNELLY, S C., et al., "Regulatory role for macrophage migration inhibitory factor in acute respiratory distress syndrome," <i>Nature Medicine</i> 3(3):320-323 (March 1997).	
	BC	HOVORKA, M., et al., "The oxidative cross-coupling of substituted 2-naphthols, part I: The scope and limitations," <i>Tetrahedron</i> , 48(43):9503 (1992).	
	BD	JUTTNER, S., et al., "Migration inhibitory factor induces killing of <i>Leishmania major</i> by macrophages: dependence on reactive nitrogen intermediates and endogenous," <i>J. Immunol.</i> 161(5):2383-2390 (September 1, 1998).	
	BE	KASSEL, O., et al., "Glucocorticoids inhibit MAP kinase via increased expression and decreased degradation of MKP-1," <i>EMBO J.</i> , 20(24):7108-7116 (December 17, 2001).	
	BF	LACEY, D C., et al. "Control of fibroblast-like synoviocyte proliferation by macrophage migration inhibitory factor (MIF)," <i>Arthr. Rheum.</i> , 48(1):103-109 (January 2003).	
	BG	LEECH, M., et al., "Regulation of macrophage migration inhibitory factor (MIF) by endogenous glucocorticoids in rat adjuvant arthritis," <i>Arthr. Rheum.</i> , 43(4):827-833 (April 2000).	
	BH	LEECH, M., et al., "Involvement of Macrophage Migration Inhibitory Factor in the evolution of rat adjuvant arthritis," <i>Arthr. Rheum.</i> , 41(5):910-917 (May 1998).	
	BI	LEECH, M., et al., "Macrophage migration inhibitory factor (MIF) in rheumatoid arthritis: Evidence for pro-inflammatory function and regulation by glucocorticoids," <i>Arthr. Rheum.</i> , 42(8):1601-1608 (August 1999).	
	BJ	MEYERS, A.I., and WILLEMSSEN, J.J., "An oxazoline based approach to (S)-Gossypol," <i>Tetrahedron</i> , 54(35), 10493-10511 (August 27, 1998).	
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	BL	MIKULOWSKA, A., et al., "Macrophage migration inhibitory factor is involved in the pathogenesis of collagen type II-induced arthritis in mice," <i>J. Immunol.</i> , 158(11):5514-5517 (June 1, 1997).	
	BM	MITCHELL, R A., et al., "Sustained mitogen-activated protein kinase (MAPK) and cytoplasmic phospholipase A2 activation by macrophage migration inhibitory factor (MIF). Regulatory role in cell proliferation and glucocorticoid action," <i>J. Biol. Chem.</i> , 274(25):18100-18106 (June 18, 1999).	
	BN	MORAND, E F., et al., "Macrophage migration inhibitory factor (MIF): An emerging therapeutic target in rheumatoid arthritis," <i>Arthr. Rheum.</i> , 48:291-299 (2003).	
	BO	NEWMAN, M. S., and KARNES, H.A., "The conversion of phenols to thiophenols via. dialkylthiocarbamates," <i>J. Org. Chem.</i> , 31(12):3980-3984 (December 1966).	

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	CA	RAM, S. and EHRENKAUFER, R.E., "A general procedure for mild and rapid reduction of aliphatic and aromatic nitro compounds using ammonium formate as a catalytic hydrogen transfer agent," <i>Tetrahedron Lett.</i> , 25(32):3415-3418 (1984).		
	CB	ROGATSKY, I., <i>et al.</i> , "Antagonism of glucocorticoid receptor transcriptional activation by the c-Jun N-terminal kinase," <i>Proc. Natl. Acad. Sci. USA.</i> , 95(5):2050-2055 (March 3, 1998).		
	CC	SAA, J. M., <i>et al.</i> , "Palladium-catalyzed cross-coupling reactions of highly hindered, electron-rich phenol triflates and organostannanes," <i>J. Org. Chem.</i> , 57(2), 678-685 (January 17, 1992).		
	CD	SABROE, I., <i>et al.</i> , "Asthma and MIF: innately Th1 and Th2.," <i>Clin. Exp. Allergy</i> , 30(9):1194-1196 (September 2000).		
	CE	SAMPEY, A V., <i>et al.</i> , "Macrophage Migration Inhibitory Factor (MIF) activation of rheumatoid synoviocytes," <i>Arthr. Rheum.</i> , 44:S283 (1999).		
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	CG	SANTOS, L L., <i>et al.</i> , "Suppression of adjuvant arthritis and synovial macrophage inducible nitric oxide by N-iminoethyl-L-ornithine, a nitric oxide synthase inhibitor.," <i>Inflammation</i> , 21(3):299-311 (June 1997).		
	CH	SWANTEK, J L., <i>et al.</i> , "Jun N-terminal kinase/stress-activated protein kinase (JNK/SAPK) is required for lipopolysaccharide stimulation of tumor necrosis factor alpha (TNF) translation: glucocorticoids inhibit TNF translation by blocking JNK/SAPK," <i>Mol. Cell. Biol.</i> , 17(11):6274-6282 (November 1997).		
	CI	TANG, X., <i>et al.</i> , "Convenient, asymmetric synthesis of enantiomerically pure 2',6'-dimethyltyrosine (DMT) via alkylation of chiral equivalent of nucleophilic glycine," <i>Tetrahedron Asymm.</i> , (14) 2917-2925 (July 28, 2000).		
	CJ	WANG, J.-Q., <i>et al.</i> , "Synthesis of suspected carcinogenic metabolites of 7H-benzo[c]fluorene," a coal tar component implicated in causation of lung tumors," <i>J. Org. Chem.</i> , 67(17):6216-6219 (August 23, 2002).		
	CK	WEHRMEISTER, H. L., "Periodate Oxidations of Oxazolines," <i>J. Org. Chem.</i> , 26(10):3821-3824 (October 1961).		
	CL	WEINSTOCK, J., <i>et al.</i> , "Synthesis and dopaminergic activity of some halogenated mono- and dihydroxylated 2-aminotetralins," <i>J. Med. Chem.</i> , 29(9):1615-1627 (September 1986).		
	CM	WEISER, W.Y., <i>et al.</i> , "Molecular cloning of cDNA encoding a human macrophage migration inhibitory factor," <i>Proc. Natl. Acad. Sci. U.S.A.</i> , 86(19):7522-7526 (October 1989).		
	CN	ZHAO, H., <i>et al.</i> , "Arylamide inhibitors of HIV-1 integrase," <i>J. Med. Chem.</i> , 40(8):1186-1194 (April 11, 1997).		

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